THIS IS ONE VOLUME OF A SIX VOLUME SET WHICH INCLUDES:

VOLUME I: FIELD OPERATIONS (FO)
VOLUME II: GROUNDWATER (GW)
VOLUME III: GEOTECHNICAL (GT)
VOLUME IV: SURFACE WATER (SW)
VOLUME V: ECOLOGY (EE)
VOLUME VI: AIR (AP)

TABLE OF CONTENTS FOR VOLUME III: GEOTECHNICAL

Procedure No.	Title	Rev. No.	Effective Date
GT.19	Field Gas Chromatographs	2	05/12/92
GT.20	Procedures for Soil Interstitial Water Sampling and Sampler Installation	2	05/12/92
GT.21	Cone Penetrometer Testing	1	05/12/92
DCN 93.01	CPT Rods	1	01/15/93
GT.24	Approval Process for Construction Activities on or Near Individual Hazardous Substance Sites (IHSSs)	0	05/12/92

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ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)

Procedure Number 5-21000-OPS- GT.6, Rev. 2

Title	Date	DCN Number
Monitoring Wells and Piezometer Installation	~~01/29/93~~ DJH 1/29/93	5-21000-OPS- 93.02

Expires ~~01/29/94~~ DJH 1/29/93 1/28/94

Procedure Revision Required [X] Yes [ ] No

Scope Limitation ~~Operable Unit Number 5~~ None DJH 1/28/93

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	16	5.4 5 DJH 1/28/93	Insert following text as Section 5.4. 5.4 WELL POINT INSTALLATION This Section describes the procedures used for installing well points. Before installation, sites will be located, numbered, and identified using stakes (or paint sticks on paved surfaces). Refer to SOP GT.10, Borehole Clearing, for more information regarding clearing the sites of underground obstructions. DJH 1/28/93 After test sites have been located and cleared, an exclusion zone will be established according to the project Health and Safety Plan. The procedure for installing well points at a specific location is as follows:

Justification (Reason for Change - Provide Numbers To Reference Corresponding Items Above)

More cost effective method than piezometers installed by conventional drilling methods for measuring water levels.

DOCUMENT CLASSIFICATION REVIEW WAIVER
PER R.B. HOFFMAN, CLASSIFICATION OFFICE
JUNE 11, 1991

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
[signature]	QAPM	X	1/29/93	[signature]	User	X	1/28/93
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Approval of Responsible Manger	Date	Is Posting Reqd?	If Yes, By What Date?	Date Posted
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DCN Form 001

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DOCUMENT CHANGE NOTICE (DCN)
(Continuation Sheet)

GT.6R2 DCN no. 93-0

Procedure no.	Title
5-21000-OPS-GT.6, Rev. 2	*Monitoring Wells and Piezometer Installation*

Scope Limitation *Operable Unit Number 5*

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	*15*	*5.4*	1. Decontaminate the rig and downhole equipment. See SOP FO.3, General Equipment Decontamination, and SOP FO.4, Heavy Equipment Decontamination for specific details regarding decontamination. 2. Set up the rig to obtain a thrust direction as close to vertical as possible. 3. Advance threaded expendable point by either hydraulically pushing or hammering to desired depth. 4. At locations within an IHSS, monitor the breathing zone near the rig for volatile organic compounds. 5. Insert the end of the hand-perforated tubing (Polyethylene or Teflon) with a threaded stud attached into the probe rods. Thread this into the expendable drive point. Length of perforated tubing will range between one and five feet based upon magnitude of anticipated water level fluctuations. 6. Hydraulically withdraw probe rods from hole.

Justification (Reason for Change - Provide Numbers To Reference Corresponding Items Above)

More cost effective method than piezometers installed by conventional drilling methods for measuring water levels.

DOCUMENT CHANGE NOTICE (DCN)
(Continuation Sheet)

GT.6, R2 DCN no. 93.02E

Procedure no.	Title
5-21000-OPS-GT.6, Rev. 2	*Monitoring Wells and Piezometer Installation*

Scope Limitation *Operable Unit Number 5*

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
1	*16*	*5.4*	7. Place 10/20 silica sand filter pack to approximately six inches above the top of the screen while keeping tension on the tubing. Place at least six inches of granular bentonite seal above filter pack. 8. Install four-inches long, one-inch diameter PVC casing with threaded or slip cap as protective well-point surface casing. Protective casing will be nearly flush with the ground surface. 9. Install four-feet long, three-inch diameter steel post adjacent to protective casing to act as marker and traffic barrier. Post should be installed such that three feet are above ground. 10. Develop well point with peristaltic or inertia pump. Since these well points are only for measuring water levels, it is not necessary to measure all the parameters referenced in SOP GW.4, Well Development. 11. Survey top of protective casing because well-point tubing is too flexible. Refer to SOP GT.17, Land Surveying, for more information regarding site surveying procedures.

Justification (Reason for Change - Provide Numbers To Reference Corresponding Items Above)

More cost effective method than piezometers installed by conventional drilling methods for measuring water levels.